# KING TAO JASON NG

An experienced all-round data scientist

## CONTACT

✉ kingtao.ng@mq.edu.au

○ kingtaojasonng

in jasonkng

## EDUCATION

**Master of Research in Computer Science**
**Macquarie University**                                    **2021 - Present**

Identifying Causal Directions from Text: Unsupervised Learning using Bayesian framework

**Master of Data Science**
**University of Sydney**                                    **2016 - 2019**

Academic Capability Mapping

**Master of Economics in Econometrics and Financial Economics**
**University of Sydney**                                    **2008 - 2012**

**Master of Information Technology in Knowledge Systems and Data Mining**
**University of New South Wales**                           **2005 - 2007**

**Bachelor of Science in Computer Science**
**University of New South Wales**                           **2001 - 2005**

## SKILLS

**Data Analysis**                5+ yrs

**Leadership**                   1+ yrs

**Statistics**                   5+ yrs

**Strategic Thinking**           4+ yrs

**Software Quality Assurance**   1+ yrs

**Project Management**           5+ yrs

**Business Analysis**            4+ yrs

**Software Engineering**         4+ yrs

## WORK EXPERIENCE

**Senior Data Scientist**
**Chief Data and Analytics Office, ASIC**                   **Jul 22 - Present**

Lead and implement Licensing ML Proof of Concept

**Senior Analytics Platform Owner**
**Chief Data and Analytics Office, ASIC**                   **Jul 21 - Jul 22**

Promoted and managed Databricks, RStudio Servers, Python Servers and Data Science Lab

**Sessional Teaching Academic**
**School of Computing, Macquarie University**               **Feb 22 - Jun 22**

Taught Document Processing and Semantic Technologies (COMP3220)

**Data Scientist**
**Chief Data and Analytics Office, ASIC**                   **Oct 19 - Jul 21**

Led and implemented NLP Prospectuses; Proposed and designed NLP pipeline

**Data Scientist**
**School of Computer Science, University of Sydney**        **Aug 17 - Jun 19**

Designed and developed Researcher Collaboration Recommendation System using Python and D3.js

# ACHIEVEMENTS

**Australia Day Achievement Award**

**ASIC**
Launched Market Analysis and Intelligence Surveillance System

**ARI Award**

Aristocrat Technologies Australia

**Competent Communicator**

**Toastmasters International**

---

**Analyst**                                    **Jul 16 - Oct 19**
**Market Infrastructure, ASIC**

Proposed and implemented Wash Trade Detection using KDB+/Q; Designed and implemented Market Data Analytics Hub using Elastic Stack

**Analyst**                                    **Jan 13 - Jul 16**
**Market & Participant Supervision, ASIC**

Managed and implemented Market Analysis and Intelligence Surveillance System; Drafted Technology and Analytics Capability Review

**Intranet Programmer**                        **Oct 11 - Dec 11**
**Information and Communications Technology, Scots College**

Maintained and managed IBM DB2

**Domain Analyst**                             **Mar 11 - May 11**
**Wagering Technology, Tabcorp Holdings Limited**

Managed requirements for Customer Loyalty Project

**Software Engineer**                          **Jul 08 - Mar 11**
**Studio Development, Aristocrat Technologies Australia**

Designed and implemented gaming applications in C and C++; Proposed gaming concepts to senior executives

**Graduate Software Engineer**                 **Jul 07 - Jul 08**
**Platform Development, Aristocrat Technologies Australia**

Designed and developed networking protocols for casino management systems in C and C++

**Graduate Test Engineer**                     **Jan 07 - Jul 07**
**Software Integrity Testing, Aristocrat Technologies Australia**

Developed test plans; Performed unit and integration tests

## PUBLICATIONS

**Hierarchical Word Mover Distance for Collaboration Recommender System**                               **2018**
**Chao Sun, King Tao Jason Ng, Philip Henville and Roman Marchant**

The 16th Australasian Data Mining Conference, AusDM 2018, Bathurst, NSW, Australia, November 28 - 30, 2018, Revised Selected Papers

## PROJECTS

**Researcher Collaboration Recommendation System**     **2018**
**Tool: Python, D3.js**

## WORKSHOPS & CONFERENCES

**13th Data Management Community**             **Jun 20**
**Australia Taxation Office**

# PROFESSIONAL MEMBERSHIPS

- Toastmaster Club

- The Econometrics Society

- Association Computing Machinery (ACM)

- Institute of Electrical and Electronics Engineers (IEEE)